


National Aeronautical Laboratory	Documentation Sheet	Document Classification:Restricted
Title : STATIC ANALYSIS OF ROTODOMED AIRCRAFT - PART I : NASTRAN SUBSTRUCTURE MODELLING		Document No: PD-ST-8816 Date of issue:Aug.1988
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Division : Structures Division		No. of Copies : 30
External Participation :		NAL Project No. ST-0-148
Sponsor : ASWACS, Bangalore		Sponsors Project No.
Approval : 		
Remarks :		
Keywords : Static Analysis, Rotodome, Pylon, NASTRAN		
Abstract :		
<p>In this report, a description of finite element modelling strategy for Static Analysis of Rotodomed Aircraft using Automatic Multi-Stage Substructuring (AMSS) capability in CSA/NASTRAN software package has been presented. Individual components of AEW system like Fuselage, Pylon and Deckplate have been identified as substructures. The substructure models have been verified through simple analysis checks. The results of the analysis under realistic loads will be provided in the subsequent parts of the report.</p>		